

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Gear4music product	Description
FF-1000D	Dense smoke fluid
FF-1000XD	Extra dense smoke fluid
FF-1000H	Heavy Low Lying Fog/Smoke Machine Fluid

Product form	Mixture
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture: Liquid formulation used to produce artificial smoke for entertainment events, shows, clubs, theatres and occupational safety training drills.

Professional use and general public use.

Uses advised against: No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier	Gear4music Kettlestring Lane, Clifton Moor York, YO30 4XF United Kingdom Telephone: +44(0) 843 515 0600 Email: info@gear4music.com
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1.4. Emergency telephone number

No dedicated emergency telephone number available.

2. Hazards identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008 [CLP], as amended (European Union), and the Assimilated CLP Regulation (EU) No 1272/2008, as amended for Great Britain [GB CLP]: Not classified.

To our knowledge, this product does not present any particular risk, subject to compliance with the general rules of industrial hygiene.

2.2. Label elements

Labelling under Regulation (EC) No 1272/2008 [CLP], as amended (European Union), and the Assimilated CLP Regulation (EU) No 1272/2008, as amended for Great Britain [GB CLP].

Child-resistant fastening	Not applicable
Tactile warning	Not applicable
Hazard pictograms	None required
Signal word	None
Hazard statements	None
Precautionary statements	None

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The mixture does not contain substances included in the REACH Article 59(1) list for endocrine-disrupting properties, and is not identified as having endocrine-disrupting properties under Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

3. Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

This mixture does not contain substances requiring mention according to the criteria of Section 3.2 of REACH Annex II. Composition information is provided below.

Product	Product identifier	Concentration	CLP classification
Triethylene glycol	CAS: 112-27-6 EC: 203-953-2 REACH: 01-2119438366-35	14-26%	Unclassified
Monopropylene glycol	CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23	4-8%	Unclassified

4. First aid measures

4.1. Description of first aid measures

Inhalation	Remove the person to fresh air and keep them in a position comfortable for breathing.
Skin contact	Wash skin with plenty of water.
Eye contact	Rinse eyes with water as a precaution.
Ingestion	Call a poison control centre or physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, dry powder, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Possible release of toxic fumes.

5.3. Advice for firefighters

Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and complete protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Ventilate the spill area.

For emergency responders: Do not attempt to take action without suitable protective equipment. For further information, refer to Section 8.

6.2. Environmental precautions

Avoid release into the environment.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorised site.

6.4. Reference to other sections

For more information, see Section 13.

7. Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep only in the original container. Keep in the dark. Store in a well-ventilated area. Store away from light.
Storage temperature	0-50 °C

7.3. Specific end uses

No additional information available.

8. Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values	No additional information available.
Recommended monitoring procedures	No additional information available.
Air contaminants formed	No additional information available.
DNEL and PNEC	No additional information available.
Control banding	No additional information available.

8.2. Exposure controls

Engineering controls	Ensure good ventilation of the work station.
Eye / face protection	Safety glasses.
Skin / body protection	Wear suitable protective clothing.
Hand protection	Protective gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	No additional information available.
Environmental exposure controls	Avoid release to the environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value
Physical state	Liquid
Colour	Colorless, Yellow, Pink, Blue
Odour	No smell
Odour threshold	No data available
pH	7-8
Relative evaporation rate (butyl acetate = 1)	No data available
Fusion point	Not applicable
Freezing point	No data available
Boiling point	100-290 °C
Flash point	>175 °C
Auto-ignition temperature	370 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1018 kg/m ³ at 20 °C

Property	Value
Solubility	Soluble in water; partially soluble in organic solvents due to glycolic derivatives
Log Pow	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosion limits	No data available

9.2. Other information

Information with regard to physical hazard classes	No additional information available.
Other safety characteristics	No additional information available.

10. Stability and reactivity

10.1 Reactivity	The product is not reactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Reacts violently with oxidising agents.
10.4 Conditions to avoid	None under the recommended conditions of storage and handling (see Section 7).
10.5 Incompatible materials	Strong acids; oxidising agents.
10.6 Hazardous decomposition products	Thermal decomposition generates carbon monoxide and carbon dioxide.

11. Toxicological information

11.1. Information on hazard classes under EU CLP and GB CLP

Hazard class	Assessment
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified (pH 7-8)
Serious eye damage/irritation	Not classified (pH 7-8)
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity / carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2. Information on other hazards

No additional information available.

12. Ecological information

12.1 Toxicity	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Acute aquatic hazard: Not classified. Chronic aquatic hazard: Not classified.
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12.2 Persistence and degradability	No additional information available.
12.3 Bioaccumulative potential	No additional information available.
12.4 Mobility in soil	No additional information available.
12.5 Results of PBT and vPvB assessment	No additional information available.
12.6 Endocrine disrupting properties	No additional information available.
12.7 Other adverse effects	No additional information available.

13. Disposal considerations

13.1. Waste treatment methods

Dispose of contents/container in accordance with licensed collector sorting instructions and applicable local requirements.

14. Transport information

Transport information in accordance with ADR / RID / IMDG / IATA / ADN.

Mode	UN number	Proper shipping name	Hazard class	Packing group
ADR	Not applicable	Not applicable	Not applicable	Not applicable
RID	Not applicable	Not applicable	Not applicable	Not applicable
ADN	Not applicable	Not applicable	Not applicable	Not applicable
IMDG	Not applicable	Not applicable	Not applicable	Not applicable
IATA	Not applicable	Not applicable	Not applicable	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.

14.6. Special precautions for user

Overland, sea, air, inland waterway and rail transport: No data available.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. European Union

Applicable legislation includes Regulation (EC) No 1907/2006 [REACH], as amended, including Annex II requirements for safety data sheets, and Regulation (EC) No 1272/2008 [CLP], as amended.

- Contains no REACH substances with Annex XVII restrictions.
- Contains no substance on the REACH Candidate List.
- Contains no REACH Annex XIV substances.
- Contains no substance subject to Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.
- Contains no substance subject to Regulation (EU) 2019/1021 concerning persistent organic pollutants.
- Contains no substance subject to Regulation (EU) 2019/1148 concerning the marketing and use of explosives precursors.

15.1.2. Great Britain

Applicable legislation includes UK REACH and the Assimilated CLP Regulation (EU) No 1272/2008, as amended for Great Britain [GB CLP].

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

16.1. Revision information

Revision	Date	Summary of changes
4	19 August 2026	Gear4music UK and EU master SDS. Regulatory wording updated to cover EU CLP / REACH and GB CLP / UK REACH while retaining the existing product and safety information.

16.2. Abbreviations and acronyms

Abbrev.	Meaning	Abbrev.	Meaning
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate	BCF	Bioconcentration factor
BLV	Biological limit value	BOD	Biochemical oxygen demand
COD	Chemical oxygen demand	DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level	EC No.	European Community number
EC50	Median effective concentration	EN	European Standard
IARC	International Agency for Research on Cancer	IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods	LC50	Median lethal concentration
LD50	Median lethal dose	LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration	NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration	OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit	PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet	STP	Sewage treatment plant
ThOD	Theoretical oxygen demand	TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds	CAS No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified	vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties		

16.3. General information

The information in this safety data sheet is intended to describe the product for health, safety and environmental purposes and should not be construed as guaranteeing any specific property of the product.

A safety data sheet does not constitute a workplace risk assessment. Users should assess the risks arising from their particular use and working conditions.